

**Amendment and Response**

Applicant: Mark Henry Butler

Serial No.: 10/695,948

Filed: October 30, 2003

Docket No.: 300202359-2

Title: DELIVERY CONTEXT AWARE ACTIVITY ON NETWORKS: DEVICES, SOFTWARE, AND METHODS

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**IN THE CLAIMS**

Please add claims 59 and 60.

Please amend claim 54 as follows:

1. (Previously Presented) A networkable resource server adapted in use to serve out resources to client devices of a network, the server having delivery context aware activity software which when run on a processor of the server causes a report to be produced containing data related to delivery context aware requests, received by the server, for resources,

wherein the report includes information concerning characteristics of the server, network characteristics linking the server and the client devices, characteristics of the client devices, and characteristics of any intermediary devices in a network path between the client devices and the server,

wherein the report is sent out periodically to a master monitoring processor, to thereby notify the master monitoring processor of context delivery related information that has changed since the master monitoring processor was last updated.

2. (Original) A server according to claim 1 adapted to transmit the report externally of the server to another processor.

3. (Original) A server according to claim 1 in which there is provided a data log held in a data log memory, the data log being adapted to store data on activity of the server, including information on delivery context aware activity, and wherein the delivery context aware activity software is adapted to interrogate the data log to obtain the data related to delivery context aware requests for resources received by the server.

4. (Previously Presented) A server according to claim 1 adapted proactively to send out said report onto the network to which the server is connected.

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5. (Previously Presented) A server according to claim 1 wherein the report relates to a plurality of context delivery aware requests for resources.

6-53. (Cancelled)

54. (Currently Amended) A server according to claim 1, wherein the server further comprises a profile resolver which receives from at least one of the clients details of a profile difference, and details of a reference profile related to the at least one of the clients, and which references a cache memory to create a profile of the at least one client device using a profile-diff transmitted to the server by the at least one client device and the reference profile retrieved from the cache memory; and

wherein the server is configured to modify the cache memory in response to the delivery context aware activity software.

55-56. (Cancelled)

57. (Previously Presented) A server according to claim 1, wherein the report is sent out periodically to the master monitoring processor at a fixed update frequency.

58. (Previously Presented) A server according to claim 1, wherein the report includes information as to a fraction of client devices that are currently seeking resources from the server that use profile differences.

59. (New) A server according to claim 54, wherein modifying the cache memory includes changing the size of the cache memory.

60. (New) A server according to claim 1, wherein the report includes information selected from the following:

success rate for requests made by the server to obtain reference profiles;

whether churn is occurring in a cache of reference profiles;

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- a level of usage of specific profiles in a cache of reference profiles;
- a proportion of requests for resource received by the server that contain delivery context information;
- errors detected in reference profiles;
- vocabulary in a profile that is unrecognized by the server;
- a proportion of requests for resources, or of client devices making requests for resources, that use profile differences;
- a number of intermediary devices and/or settings that influence the delivery context.